STIC-Biotech/ChemLib

15096

Fr m: Portner, Ginny
Sent: Saturday, September 07, 2002 3:13 PM
T : STIC-Biotech/ChemLib
Subject: 09/674,254

Please search SEQ ID No 3 (peptide of 16 amino acids) .. thanks!

Ginny Portner
CM1, Art Unit 1645
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(703) 308-7543

Point of Contact
P. Sheppard
Telephone number: (703) 308-4499

Searcher: _____
Phone: _____
Location: _____
Date Picked Up: _____
Date Completed: 9/11/02
Searcher Prep/Review: _____
Clerical: _____
Online time: _____

TYPE OF SEARCH:
NA Sequences: _____
AA Sequences: _____
Structures: _____
Bibliographic: _____
Litigation: _____
Full text: _____
Patent Family: _____
Other: _____

VENDOR/COST (where applic.)
STN: _____
DIALOG: _____
Questel/Orbit: _____
DRLink: _____
Lexis/Nexis: _____
Sequence Sys.: _____
WWW/Internet: _____
Other (specify): _____

WEST Search History

DATE: Saturday, September 07, 2002

Set Name side by side	Query	Hit Count	Set Name result set
DB=USPT; PLUR=YES; OP=AND			
L1	5916751.9n.	0	L1
L2	5916751.pn.	1	L2
L3	lefty.ti,ab,clm.	2	L3

END OF SEARCH HISTORY

WEST

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Search Results - Record(s) 1 through 3 of 3 returned.

☐ 1. Document ID: US 6294662 B1

L3: Entry 1 of 3 File: USPT Sep 25, 2001

DOCUMENT-IDENTIFIER: US 6294662 B1
TITLE: Nucleic acids encoding an endometrial bleeding associated factor (ebaf)

Abstract Text (1):
A method for the early diagnosing of selected adenocarcinomas in a human comprising the steps of removing a bodily sample from the human, and assaying the bodily sample for elevated expression of a specific gene. The gene being assayed for in the bodily sample is the TGFB-4 gene (hereinafter referred to as the endometrial bleeding associated factor (ebaf) gene. The bodily sample can be tissue from a specific organ in the body, or a blood sample. Increased levels of ebaf in the sample relative to basal levels may be indicative of a mucinous adenocarcinoma of the colon or ovaries, or an adenocarcinoma of the testis.

Brief Summary Text (22):
The specific gene referred to above is the TGFB-4 gene (hereinafter referred to as the endometrial bleeding associated factor (ebaf) gene). Applicants recently discovered this gene in humans (please see Ravi Kothapalli, Ibrahim Buyuksal, Shi-Qi Wu, Nasser Chegini, Siamak Tabibzadeh: Detection of ebaf, a novel human gene of the TGF-? superfamily; association of gene expression with endometrial bleeding J. Clin. Invest. 1997, 99:2342-2350, which is hereby incorporated by reference herein). The cDNA sequence of the ebaf gene is set forth in SEQ. ID NO. 1.

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw Desc
Image

☐ 2. Document ID: US 5916751 A

L3: Entry 2 of 3 File: USPT Jun 29, 1999

DOCUMENT-IDENTIFIER: US 5916751 A

TITLE: Method for the diagnosis of selected adenocarcinomas

Abstract Text (1):
A method for the early diagnosing of selected adenocarcinomas in a human comprising the steps of removing a bodily sample from the human, and assaying the bodily sample for elevated expression of a specific gene, the gene being assayed for in the bodily sample is the TGFB-4 gene (hereinafter referred to as the endometrial bleeding associated factor (ebaf) gene. The bodily sample can be tissue from a specific organ in the body, or a blood sample. Increased levels of ebaf in the sample relative to basal levels may be indicative of a mucinous adenocarcinoma of the colon or ovaries, or an adenocarcinoma of the testis.

Brief Summary Text (22):
The specific gene referred to above is the TGFB-4 gene (hereinafter referred to as the endometrial bleeding associated factor (ebaf) gene). Applicants recently discovered this gene in humans (please see, Ravi Kothapalli, Ibrahim Buyuksal, Shi-Qi Wu, Nasser Chegini, Siamak Tabibzadeh: Detection of ebaf, a novel human gene of the TGF-superfamily; association of gene expression with endometrial bleeding J. Clin. Invest. 1997, 99:2342-2350, which is hereby incorporated by reference herein). The cDNA sequence of the ebafgene is set forth in SEQ. ID NO. 1.

Other Reference Publication (6):
Siamak Tabibzadeh, Ravi Kothapalli, Ibrahim Buyuksal, "Distinct Tumor Specific Expression of TGFB4 (ebaf), a Novel Human Gene of the TGF-B Superfamily," Frontiers in Bioscience 2, Jul. 1997, pp. 18-25.

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw Desc
Image

☐ 3. Document ID: US 5916751 A

L3: Entry 3 of 3 File: DWPI Jun 29, 1999

DERWENT-ACC-NO: 1999-384717
DERWENT-WEEK: 200175

TITLE: Detecting serous or mucinous colon/ovarian adenocarcinomas and testicular adenocarcinoma by assaying for elevated expression of a gene

INVENTOR: KOTHAPALLI, R; TABIBZADEH, S

PRIORITY-DATA: 1996US-025800P (August 27, 1996), 1997US-0919421 (August 27, 1997)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US 5916751 A	June 29, 1999		011	G01N033/574

INT-CL (IPC): C12 Q 1/68; G01 N 33/48; G01 N 33/574

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. Desc
Image

Generate Collection | Print

Terms	Documents
tgfb4 or tgfb-4	3

Display Format: - Change Format

Previous Page Next Page

WEST Search History

DATE: Saturday, September 07, 2002

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DB=USPT; PLUR=YES; OP=AND			
L1	tgfb4 or tgfb-4	2	L1
DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=AND			
L2	L1	2	L2
L3	tgfb4 or tgfb-4	3	L3
L4	tgf-b4 or tgf-b-4	1	L4
L5	L4	1	L5

END OF SEARCH HISTORY

ile 155:MEDLINE(R) 1966-2002/Sep W1
***File 155: Alert feature enhanced for multiple files, duplicates**
removal, customized scheduling. See HELP ALERT.

Set	Items	Description

?e transforming growth factor

Ref	Items	RT	Index-term
E1	4		TRANSFORMING ACIDIC COILED COIL PROTEIN
E2	0	1	TRANSFORMING GENES
E3	0		*TRANSFORMING GROWTH FACTOR
E4	2596	6	TRANSFORMING GROWTH FACTOR ALPHA
E5	20		TRANSFORMING GROWTH FACTOR ALPHA --ADMINISTRAT
E6	2		TRANSFORMING GROWTH FACTOR ALPHA --ADVERSE EFF
E7	1		TRANSFORMING GROWTH FACTOR ALPHA --AGONISTS --
E8	373		TRANSFORMING GROWTH FACTOR ALPHA --ANALYSIS --
E9	29		TRANSFORMING GROWTH FACTOR ALPHA --ANTAGONISTS
E10	331		TRANSFORMING GROWTH FACTOR ALPHA --BIOSYNTHESI
E11	31		TRANSFORMING GROWTH FACTOR ALPHA --BLOOD --BL
E12	3		TRANSFORMING GROWTH FACTOR ALPHA --CEREBROSPIN

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Ref	Items	Index-term
E13	2	TRANSFORMING GROWTH FACTOR ALPHA --CHEMICAL SY
E14	85	TRANSFORMING GROWTH FACTOR ALPHA --CHEMISTRY -
E15	16	TRANSFORMING GROWTH FACTOR ALPHA --DEFICIENCY
E16	1	TRANSFORMING GROWTH FACTOR ALPHA --DIAGNOSTIC
E17	25	TRANSFORMING GROWTH FACTOR ALPHA --DRUG EFFECT
E18	694	TRANSFORMING GROWTH FACTOR ALPHA --GENETICS --
E19	85	TRANSFORMING GROWTH FACTOR ALPHA --IMMUNOLOGY
E20	16	TRANSFORMING GROWTH FACTOR ALPHA --ISOLATION A
E21	600	TRANSFORMING GROWTH FACTOR ALPHA --METABOLISM
E22	4	TRANSFORMING GROWTH FACTOR ALPHA --PHARMACOKIN
E23	760	TRANSFORMING GROWTH FACTOR ALPHA --PHARMACOLOG
E24	389	TRANSFORMING GROWTH FACTOR ALPHA --PHYSIOLOGY

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E26	40		TRANSFORMING GROWTH FACTOR ALPHA --SECRETION -
E27	15		TRANSFORMING GROWTH FACTOR ALPHA --THERAPEUTIC
E28	7		TRANSFORMING GROWTH FACTOR ALPHA --TOXICITY --
E29	10		TRANSFORMING GROWTH FACTOR ALPHA --URINE --UR
E30	0	1	TRANSFORMING GROWTH FACTOR ALPHA RECEPTOR
E31	10		TRANSFORMING GROWTH FACTOR ALPHA-PSEUDOMONAS E
E32	14501	9	TRANSFORMING GROWTH FACTOR BETA
E33	216		TRANSFORMING GROWTH FACTOR BETA --ADMINISTRATI
E34	19		TRANSFORMING GROWTH FACTOR BETA --ADVERSE EFFE
E35	7		TRANSFORMING GROWTH FACTOR BETA --AGONISTS --A
E36	912		TRANSFORMING GROWTH FACTOR BETA --ANALYSIS --A

Enter P or PAGE for more

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Ref	Items	Index-term
E37	435	TRANSFORMING GROWTH FACTOR BETA --ANTAGONISTS
E38	1614	TRANSFORMING GROWTH FACTOR BETA --BIOSYNTHESIS
E39	459	TRANSFORMING GROWTH FACTOR BETA --BLOOD --BL
E40	35	TRANSFORMING GROWTH FACTOR BETA --CEREBROSPINA
E41	1	TRANSFORMING GROWTH FACTOR BETA --CHEMICAL SYN
E42	231	TRANSFORMING GROWTH FACTOR BETA --CHEMISTRY --
E43	41	TRANSFORMING GROWTH FACTOR BETA --CLASSIFICATI
E44	41	TRANSFORMING GROWTH FACTOR BETA --DEFICIENCY -
E45	2	TRANSFORMING GROWTH FACTOR BETA --DIAGNOSTIC U

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E46     137  TRANSFORMING GROWTH FACTOR BETA --DRUG EFFECTS
E47    3100  TRANSFORMING GROWTH FACTOR BETA --GENETICS --G
E48       1  TRANSFORMING GROWTH FACTOR BETA --HISTORY --HI

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Ref    Items  Index-term
E49      693  TRANSFORMING GROWTH FACTOR BETA --IMMUNOLOGY -
E50       92  TRANSFORMING GROWTH FACTOR BETA --ISOLATION AN
?pp
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?s e32-e50
           14501  TRANSFORMING GROWTH FACTOR BETA
             216  TRANSFORMING GROWTH FACTOR BETA --ADMINISTRATI
              19  TRANSFORMING GROWTH FACTOR BETA --ADVERSE EFFE
               7  TRANSFORMING GROWTH FACTOR BETA --AGONISTS --A
             912  TRANSFORMING GROWTH FACTOR BETA --ANALYSIS --A
             435  TRANSFORMING GROWTH FACTOR BETA --ANTAGONISTS
            1614  TRANSFORMING GROWTH FACTOR BETA --BIOSYNTHESIS
             459  TRANSFORMING GROWTH FACTOR BETA --BLOOD --BL
              35  TRANSFORMING GROWTH FACTOR BETA --CEREBROSPINA
               1  TRANSFORMING GROWTH FACTOR BETA --CHEMICAL SYN
             231  TRANSFORMING GROWTH FACTOR BETA --CHEMISTRY --
              41  TRANSFORMING GROWTH FACTOR BETA --CLASSIFICATI
              41  TRANSFORMING GROWTH FACTOR BETA --DEFICIENCY -
               2  TRANSFORMING GROWTH FACTOR BETA --DIAGNOSTIC U
             137  TRANSFORMING GROWTH FACTOR BETA --DRUG EFFECTS
            3100  TRANSFORMING GROWTH FACTOR BETA --GENETICS --G
               1  TRANSFORMING GROWTH FACTOR BETA --HISTORY --HI
             693  TRANSFORMING GROWTH FACTOR BETA --IMMUNOLOGY -
              92  TRANSFORMING GROWTH FACTOR BETA --ISOLATION AN
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?e e32

Ref    Items Type  RT  Index-term
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R2     14501    X      DC=D11.303.900.720. (TRANSFORMING GROWTH FACTOR BETA)
R3     14501    X      DC=D12.644.900.720. (TRANSFORMING GROWTH FACTOR BETA)
R4     14501    X      DC=D24.185.348.900.720.  (TRANSFORMING  GROWTH FACTOR
                       BETA)
R5     14501    X      DC=D24.611.350.400.800.  (TRANSFORMING  GROWTH FACTOR
                       BETA)
R6         0    X    1 BONE-DERIVED TRANSFORMING GROWTH FACTOR
R7         0    X    1 PLATELET TRANSFORMING GROWTH FACTOR
R8         1    X    1 TGF-BETA
R9     19034    B  102 GROWTH SUBSTANCES
R10     2125    B    7 TRANSFORMING GROWTH FACTORS
?s r1-r8
           14501  TRANSFORMING GROWTH FACTOR BETA
           14501  DC=D11.303.900.720.  (TRANSFORMING GROWTH FACTOR BETA)
           14501  DC=D12.644.900.720.  (TRANSFORMING GROWTH FACTOR BETA)
           14501  DC=D24.185.348.900.720.  (TRANSFORMING GROWTH FACTOR
                  BETA)
           14501  DC=D24.611.350.400.800.  (TRANSFORMING GROWTH FACTOR
                  BETA)
               0  BONE-DERIVED TRANSFORMING GROWTH FACTOR
               0  PLATELET TRANSFORMING GROWTH FACTOR
               1  TGF-BETA
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?e r8

Ref    Items Type  RT  Index-term
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R2     14501    X    9  TRANSFORMING GROWTH FACTOR BETA
?s r1-r2
               1  TGF-BETA
           14501  TRANSFORMING GROWTH FACTOR BETA
      S3   14501  R1-R2
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S2      14501   R1-R8
S3      14501   R1-R2
?s (s1 or s2 or s3) and b4
           14501  S1
           14501  S2
           14501  S3
            8199  B4
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Set	Items	Description
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S2	14501	R1-R8
S3	14501	R1-R2
S4	15	(S1 OR S2 OR S3) AND B4
S5	197	(S1 OR S2 OR S3) (3N) (BETA? (2N) 4)
S6	197	(S1 OR S2 OR S3) (3N) (BETA (2N) 4) NOT L4
S7	839	(S1 OR S2 OR S3) (N) (BETA)
S8	0	(S1 OR S2 OR S3) (N) (BETA (N) 4)
S9	0	(S1 OR S2 OR S3) (N) (BETA (2N) 4)
S10	0	(S1 OR S2 OR S3) (N) (B (2N) 4)
S11	2	FACTOR (N) BETA4

?t s11/9/all

11/9/1

DIALOG(R)File 155:MEDLINE(R)

12782530 21454090 PMID: 11567773

Adjuvant effects of IL-1beta, IL-2, IL-8, IL-15, IFN-alpha, IFN-gamma TGF-beta4 and lymphotactin on DNA vaccination against Eimeria acervulina.

Min W; Lillehoj H S; Burnside J; Weining K C; Staeheli P; Zhu J J

Parasite Biology, Epidemiology, Systematics Laboratory, Animal and Natural Resources Institute, BARC-East, Building 1040, US Department of Agriculture, Beltsville, MD 20705, USA.

Vaccine (England) Oct 12 2001, 20 (1-2) p267-74, ISSN 0264-410X Journal Code: 8406899

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: Completed

Subfile: INDEX MEDICUS

Eight chicken cytokine genes (IL-1beta, IL-2, IL-8, IL-15, IFN-alpha, IFN-gamma, TGF-beta4, lymphotactin) were evaluated for their adjuvant effect on a suboptimal dose of an Eimeria DNA vaccine carrying the 3-1E parasite gene (pcDNA3-1E). Chickens were given two subcutaneous injections with 50 microg of the pcDNA3-1E vaccine plus a cytokine expression plasmid 2 weeks apart and challenged with Eimeria acervulina 1 week later. IFN-alpha (1 microg) or 10 microg of lymphotactin expressing plasmids, when given simultaneously with the pcDNA3-1E vaccine, significantly protected against body weight loss induced by E. acervulina. Parasite replication was significantly reduced in chickens given the pcDNA3-1E vaccine along with 10 microg of the IL-8, lymphotactin, IFN-gamma, IL-15, TGF-beta4, or IL-1beta plasmids compared with chickens given the pcDNA3-1E vaccine alone. Flow cytometric analysis of duodenum intraepithelial lymphocytes showed chickens that received the pcDNA3-1E vaccine simultaneously with the IL-8 or IL-15 genes had significantly increased CD3+ cells compared with vaccination using pcDNA3-1E alone or in combination with the other cytokine genes tested. These results indicate that the type and the dose of cytokine genes injected into chickens influence the quality of the local immune response to DNA vaccination against coccidiosis.

Tags: Animal; Comparative Study; Support, U.S. Gov't, Non-P.H.S.

Descriptors: *Adjuvants, Immunologic; *Coccidiosis--veterinary--VE; *Eimeria--immunology--IM; *Interferons--immunology--IM; *Interleukins --immunology--IM; *Lymphokines--immunology--IM; *Poultry Diseases --prevention and control--PC; *Sialoglycoproteins--immunology--IM; *Transforming Growth Factor beta--immunology--IM; Chickens; Coccidiosis --immunology--IM; Coccidiosis--prevention and control--PC; Drug Evaluation, Preclinical; Duodenum--immunology--IM; Duodenum--parasitology --PS; Genetic Vectors--administration and dosage--AD; Genetic Vectors --genetics--GE; Interferon Type II--genetics--GE; Interferon Type II --immunology--IM; Interferon-alpha--genetics--GE; Interferon-alpha --immunology--IM; Interferons--genetics--GE; Interleukin-1--genetics--GE; Interleukin-1--immunology--IM; Interleukin-15--genetics--GE; Interleukin-15--immunology--IM; Interleukin-2--genetics--GE; Interleukin-2--immunology --IM; Interleukin-8--genetics--GE; Interleukin-8--immunology--IM; Interleukins--genetics--GE; Lymphokines--genetics--GE; Parasite Egg Count; Poultry Diseases--immunology--IM; Sialoglycoproteins--genetics--GE; Specific Pathogen-Free Organisms; Transforming Growth Factor beta--genetics --GE; Vaccination--veterinary--VE; Vaccines, DNA--genetics--GE; Vaccines,

DNA--immunology--IM; Weight Gain
CAS Registry No.: 0 (Adjuvants, Immunologic); 0 (Genetic Vectors); 0 (Interferon-alpha); 0 (Interleukin-1); 0 (Interleukin-15); 0 (Interleukin-2); 0 (Interleukin-8); 0 (Interleukins); 0 (Lymphokines); 0 (Sialoglycoproteins); 0 (Transforming Growth Factor beta); 0 (Vaccines, DNA); 0 (lymphotactin); 0 (transforming growth factor beta4); 82115-62-6 (Interferon Type II); 9008-11-1 (Interferons)
Record Date Created: 20010924

11/9/2
DIALOG(R)File 155:MEDLINE(R)

09908583 98328280 PMID: 9665343
Temporal and site-specific expression of transforming growth factor - beta4 **in human endometrium.**
Tabibzadeh S; Lessey B; Satyaswaroop P G
Department of Pathology, Moffitt Cancer Center, Tampa, FL 33612, USA. tabibzadeh@bioscience.org
Molecular human reproduction (ENGLAND) Jun 1998, 4 (6) p595-602, ISSN 1360-9947 Journal Code: 9513710
Contract/Grant No.: CA46866; CA; NCI; CA62211; CA; NCI; HD34824; HD; NICHD
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: Completed
Subfile: INDEX MEDICUS
We recently identified a novel member of the transforming growth factor (TGF)-beta superfamily and showed that this gene, designated as endometrial bleeding associated factor (ebaf), or TGFbeta4, has a unique expression pattern in human endometrium. By Northern blot analysis, we showed that this gene was expressed in human endometrium during the late secretory and menstrual phases and was absent in proliferative, early and mid-secretory endometria. In this report, we show by in-situ hybridization that the mRNA of the TGF-beta4 is not expressed in the proliferative endometria. On the other hand, focal expression of the TGFbeta4 mRNA first appears in some endometrial glands in the mid-secretory phase. The TGFbeta4 mRNA is strongly expressed in the endometrial stroma during the late secretory and menstrual phases of the cycle. We raised a polyclonal rabbit antiserum against a peptide at the C terminal of the protein. Western blot analysis using affinity purified antiserum shows that the TGFbeta4 precursor detected in the endometrium as well as placenta is 41 kDa. Bands in the range of 45-51 kDa are also present in human endometrium, more predominantly during the late secretory phase. Immunohistochemical staining shows a low level of immunoreactivity for TGFbeta4 in the early, mid- and late proliferative and early and mid-secretory endometria. A strong immunoreactivity for TGFbeta4 is present in the stroma and to lesser extent in the endometrial glands in late secretory and menstrual endometria. The specificity of staining was shown by neutralizing the activity of the antibody with the synthetic peptide used for raising the antibody and by omitting the antibody. The findings show that TGFbeta4, both at the mRNA and protein levels, exhibits temporal and site specific expression in human endometrium.
Tags: Animal; Female; Human; Support, Non-U.S. Gov't; Support, U.S. Gov't, P.H.S.
Descriptors: *Endometrium--metabolism--ME; *Gene Expression Regulation; *Menstrual Cycle--genetics--GE; *Transforming Growth Factor beta --biosynthesis--BI; Amino Acid Sequence; Blotting, Western; Immunoenzyme Techniques; In Situ Hybridization; Molecular Sequence Data; Multigene Family; Peptide Fragments--immunology--IM; RNA, Messenger--biosynthesis--BI ; RNA, Messenger--genetics--GE; Rabbits; Transforming Growth Factor beta --genetics--GE; Transforming Growth Factor beta--immunology--IM
CAS Registry No.: 0 (Peptide Fragments); 0 (RNA, Messenger); 0 (Transforming Growth Factor beta)
Record Date Created: 19981022
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07sep02 12:39:50 User228206 Session D1853.4
$1.14 0.358 DialUnits File155

$0.42 2 Type(s) in Format 9
$0.42 2 Types